

# Integrated Meteorological System (IMETS)

PROJECT MANAGER INTELLIGENCE FUSION

"C3I System Architect for the Digitized Army"  
"Leading the Army into the Millenium"



## MISSION

Provide commanders at all echelons with an automated weather system that receives, processes, and disseminates weather observations, forecasts, and weather, and provides environmental effects decision aids to all Battlefield Operating Systems (BOS).

## DESCRIPTION AND SPECIFICATIONS

The **Integrated Meteorological System (IMETS)** is the weather component of the Intelligence Electronic Warfare (IEW) sub-element of the Army Battle Command System (ABCS).



Command Post Prototype

IMETS is a tactical automated weather system mounted on a High Mobility Multipurpose Wheeled Vehicle (HMMWV). It provides automation and communications support to Air Force Combat Weather Teams assigned to the Army at echelons- above-corps (EAC) down to Aviation Battalions and to Army Special Operations Forces. IMETS receives weather information from

polar-orbiting civilian and defense meteorological satellites, Air Force Global Weather Central, artillery meteorological and remote sensors, and civilian forecast centers. IMETS processes and collates forecasts, observations, and climatological data to produce timely and accurate weather products tailored to the specific warfighter's needs. The most significant weather and environmental support to warfighters are the automated tactical decision aids. These graphics display the impact of the weather on current or planned operations for both friendly and enemy forces. The warfighter can thus more effectively employ his forces and weapons systems to achieve success in battle.



Light Configuration  
(Notional)

## FOREIGN COUNTERPART

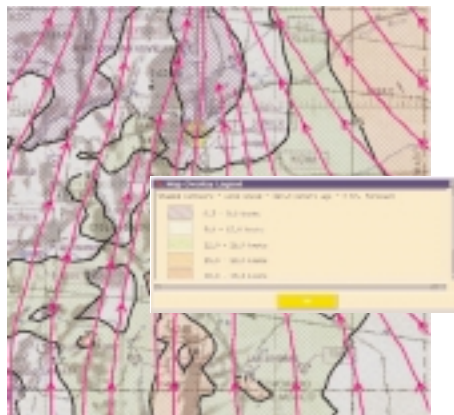
No known foreign counterpart.

## FOREIGN MILITARY SALES

None.

## PROGRAM STATUS

IMETS has a streamlined evolutionary acquisition strategy that relies on commercial-off-the-shelf/government-off-the-shelf (COTS/GOTS) products and non-developmental items (NDI). Planned upgrades to the fifteen Block 1 IMETS have been accelerated to resolve Year 2000 (Y2K) problems and were complet-



Forecasted wind flow and wind speeds  
over Colorado

Weather Teams identified by the Air Force to better support Army weather requirements.

## PROJECTED ACTIVITIES

1QFY99 Complete Y2K certification.  
FY00 A total of 27 HMMWV-mounted IMETS will be fielded.  
FY00 Program Decision Review for light configuration.  
FY01 Initial fielding light configuration of IMETS.

## PRIME CONTRACTOR(S)

Logicon Advance Technology (LAT)  
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## POINTS OF CONTACT



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